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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/680,213	10/08/2003	Yusuke Fukuoka	900-479	7456
23117	23117 7590 06/01/2005 EXAMINER			
NIXON & VANDERHYE, PC			CHEN, BRET P	
901 NORTH GLEBE ROAD, 11TH FL ARLINGTON, VA 22203		LOOK	ART UNIT	PAPER NUMBER
			1762	
			DATE MAILED: 06/01/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
Office Antique Company	10/680,213	FUKUOKA ET AL.				
Office Action Summary	Examiner	Art Unit				
	B. Chen	1762				
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the c	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL' THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be tir y within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from , cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1)⊠ Responsive to communication(s) filed on <u>02 M</u>	farch 2005.					
	action is non-final.					
· <u> </u>	,—					
closed in accordance with the practice under E	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1-14</u> is/are pending in the application	Claim(s) <u>1-14</u> is/are pending in the application.					
4a) Of the above claim(s) 13 and 14 is/are with	4a) Of the above claim(s) 13 and 14 is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.	Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-12</u> is/are rejected.	Claim(s) <u>1-12</u> is/are rejected.					
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	Claim(s) are subject to restriction and/or election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10)⊠ The drawing(s) filed on <u>08 October 2003</u> is/are: a)⊠ accepted or b)□ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Ex	caminer. Note the attached Office	Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau 	s have been received. s have been received in Applicat rity documents have been receive	ion No				
* See the attached detailed Office action for a list	of the certified copies not receive	ed.				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)				
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 	Paper No(s)/Mail D 5) Notice of Informal F	ate Patent Application (PTO-152)				
Paper No(s)/Mail Date	6) Other:					

Art Unit: 1762

DETAILED ACTION

Claims 1-14 are pending in this application.

Election/Restrictions

Applicant's election without traverse of claims 1-12 in the reply filed on 3/2/05 is acknowledged.

Claims 13-14 have been withdrawn from consideration as being directed to a nonelected invention.

Priority

Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Specification

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

It is noted that the claimed invention is directed solely to an apparatus. The examiner suggests amending the title to reflect same.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Application/Control Number: 10/680,213

Art Unit: 1762

Claims 1-12 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 5, the term "loosely engaged" is deemed a relative term which renders the claim indefinite. The term "loosely" is not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 1-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Nagaseki et al. (5,368,676). Nagaseki discloses a plasma CVD processing apparatus which

contains a high frequency electric field (col.1 lines 12-17). The apparatus includes a pair of

parallel electrodes arranged in a processing chamber in which semiconductor wafers are placed

on the electrodes and a high frequency voltage is applied between the electrodes (col.2 lines 20-

Application/Control Number: 10/680,213

Art Unit: 1762

28). A gas is injected and exhausted (col.3 lines 45-46). According to Figure 1, the electrodes are supported. However, the reference remains silent on a coating apparatus.

It is noted that the Nagaseki teaches that these apparatuses can be used for plasma etching or CVD (col.1 lines 18-19). It would have been obvious to utilize a coating apparatus given that Nagaseki teaches that they are interchangeable and that one skilled in the art would reasonably expect that the same apparatus could perform both tasks.

The limitations of claims 2-12 have been addressed above.

Claims 1-12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tanaka et al. (6,422,172). Tanaka discloses a plasma processing apparatus which contains parallel plate electrodes (col.4 lines 22-39) using high frequency power (col.5 lines 12-37). An object 4 is placed on a stage 3 in which coating occurs (col.6 lines 30-38) and a gas is introduced and evacuated (col.6 lines 49-54). According to Figure 1, the electrodes are supported and can also contain a substrate heating mechanism (col.14 lines 47-48). However, the reference fails to specifically teach a movable support member.

It is noted that the reference clearly teaches a support member. When heated, these support members will move due to thermal expansion. One skilled in the art concerning thermal stresses would design a support member to thermally expand such that the final product would not be compromised. It would have been obvious to utilize a movable support member with the expectation of being able to accommodate thermal expansion as noted above.

The limitations of claims 2-12 have been addressed above.

Art Unit: 1762

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 1-12 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-5 of U.S. Patent No. 5,487,786.

Although the conflicting claims are not identical, they are not patentably distinct from each other because the addition of an exhaust is an obvious variation.

Claims 1-12 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-28 of U.S. Patent No. 6,142,096.

Although the conflicting claims are not identical, they are not patentably distinct from each other because the addition of an exhaust and the use of parallel electrodes are an obvious variation.

Claims 1-12 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-20 of U.S. Patent No. 6,313,430.

Although the conflicting claims are not identical, they are not patentably distinct from each other because the use of parallel electrodes is an obvious variation.

Page 6

Any inquiry concerning this communication or earlier communications from the examiner should be directed to B. Chen whose telephone number is (571) 272-1417. The examiner can normally be reached on 7:30am - 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Meeks can be reached on (571) 272-1423. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Bc 5/27/05

BRET CHEN
PRIMARY EXAMINER